T8 **TC / TD | T8 LED Tube Light** SERIES · TC · TD

APPLICATIONS

- Offices & Schools
- Warehouses & Car Parks
- Retail
- Solar / 24 V DC

T8 LED Tube Light

A direct T8 replacement at up to 150 lm/W. Choose the aluminium-backed TC for focused 160° output, or the all-plastic TD for a wide 270° spread — plus 24 V DC versions for solar and low-voltage systems.

2 · 3 · 4 · 5 ft | Frosted cover | DC 24 V option

3,600 lm
MAX OUTPUT

150 lm/W
MAX EFFICACY

270°
WIDEST BEAM (TD)

Ra 80+
COLOUR RENDERING

UP TO 150 LM/W



TC T8 · frosted cover shown SERIES · TC / TD

COMMON SPECIFICATIONS

All series · 25.7 mm Ø T8 tube

CRI	Ra > 80 / R9 > 0	**Input Power (AC)**	180–240 V 50 / 60 Hz
Power Factor	> 0.9 @ 240 VAC	**Working Temp.**	Ambient temperature max 50 °C
Diameter	25.7 mm Ø (T8)	**Warranty**	2 years

MODELS

TC, TC DC 24 V and TD series · ± 10 % lumen tolerance

PART NO.	WATT	COLOUR TEMP.	LUMENS	LM / W	INPUT POWER	L · WEIGHT
TC · 2 ft 160° · half aluminium profile & frosted cover						
TC900C	7 W	6500 K (Cool)	1,015	145	240 V @ 30 mA	602 mm · 130 g
TC900N	7 W	4000 K (Neutral)	1,015	145	240 V @ 30 mA	602 mm · 130 g
TC900W	7 W	3000 K (Warm)	945	135	240 V @ 30 mA	602 mm · 130 g
TC · T8 160° · half aluminium profile, frosted or transparent cover						
TC1600C	12 W	6500 K (Cool)	1,740	145	240 V @ 50 mA	1212 mm · 240 g
TC1600N	12 W	4000 K (Neutral)	1,740	145	240 V @ 50 mA	1212 mm · 240 g
TC1600W	12 W	3000 K (Warm)	1,620	135	240 V @ 50 mA	1212 mm · 240 g
TC2500C	18 W	6500 K (Cool)	2,610	145	240 V @ 75 mA	1212 mm · 240 g
TC2500N	18 W	4000 K (Neutral)	2,610	145	240 V @ 75 mA	1212 mm · 240 g
TC2500W	18 W	3000 K (Warm)	2,430	135	240 V @ 75 mA	1212 mm · 240 g
TC3600C	24 W	6500 K (Cool)	3,600	150	240 V @ 100 mA	1212 mm · 240 g
TC · DC 24 V 160° · for buses, MRT / rail transit and 24 V DC systems						
TC1900C-DC24	13.5 W	6500 K (Cool)	1,950	145	DC 24 V @ 0.50 A	909 mm · 240 g
TC2500C-DC24	18 W	6500 K (Cool)	2,610	145	DC 24 V @ 0.66 A	1212 mm · 240 g
TC2500N-DC24	18 W	4000 K (Neutral)	2,610	145	DC 24 V @ 0.66 A	1212 mm · 240 g
TC2500W-DC24	18 W	3000 K (Warm)	2,430	135	DC 24 V @ 0.66 A	1212 mm · 240 g
TD · T8 270° · full plastic with aluminium plate, frosted tube						
TD1600C	12 W	6500 K (Cool)	1,740	145	240 V @ 50 mA	1212 mm · 200 g
TD1600N	12 W	4000 K (Neutral)	1,740	145	240 V @ 50 mA	1212 mm · 200 g
TD1600W	12 W	3000 K (Warm)	1,620	135	240 V @ 50 mA	1212 mm · 200 g
TD2500C	18 W	6500 K (Cool)	2,610	145	240 V @ 75 mA	1212 mm · 200 g
TD2500N	18 W	4000 K (Neutral)	2,610	145	240 V @ 75 mA	1212 mm · 200 g
TD2500W	18 W	3000 K (Warm)	2,430	135	240 V @ 75 mA	1212 mm · 200 g

** ± 10 % Lux accuracy · Test environment @ 25 °C · Specifications subject to change without prior notice · Images for illustration only.*

SERIES CONSTRUCTION Housing and beam spread by series



TC 2 ft 602 mm
Beam **160°**
Housing **Aluminium / frosted**



TC T8 909 – 1212 mm
Beam **160°**
Housing **Aluminium / frosted or clear**

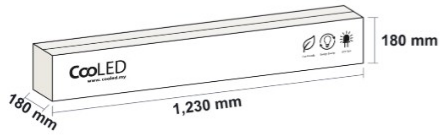


TD T8 1212 mm
Beam **270°**
Housing **Full plastic / frosted**

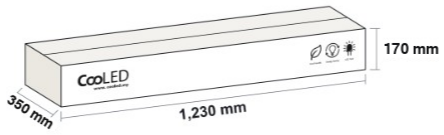
CARTON DIMENSIONS & WEIGHTS Multi-tube export carton · unit: mm / kg

TUBE	LENGTH	QTY	L	W	H	NETT WT.	M³
4 ft	1212 mm T8 tube	**30**	1,230	180	180	**7.5**	0.040
4 ft · TC	TC1600 · TC2500 · TC3600	**50**	1,230	350	170	**13.0**	0.073
4 ft · TD	TD1600 · TD2500	**50**	1,230	350	170	**11.0**	0.073
2 ft	602 mm T8 tube	**35**	685	270	145	**5.2**	0.027

CARTON DRAWINGS Outer carton, printed CooLED branding



4 ft · 30 pcs
1,230 × 180 × 180 mm · Nett **7.5 kg**



4 ft · 50 pcs
1,230 × 350 × 170 mm · Nett **TC 13.0 kg · TD 11.0 kg**



2 ft · 35 pcs
685 × 270 × 145 mm · Nett **5.2 kg**

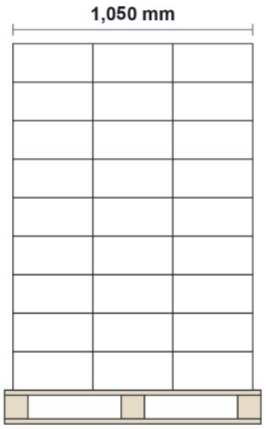
PALLET LOADING 4 ft × 50 pcs carton · pallet 1,200 × 1,100 mm

4 ft · 50 pcs
carton 1,230 × 350 × 170 mm

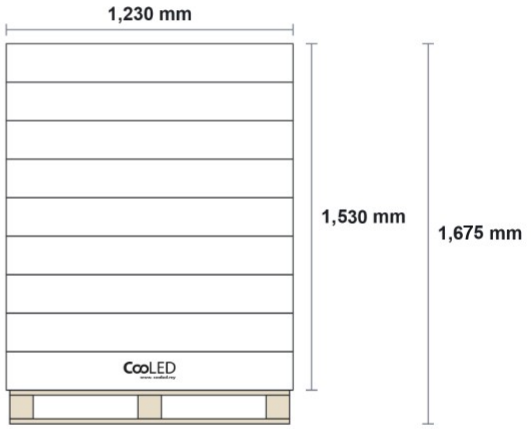
1,350 pcs / pallet

27 CARTONS · 3 PER LAYER × 9 LAYERS

Load footprint	1,230 × 1,050 mm
Stack height	1,530 mm
With pallet	1,675 mm
Nett weight	351 kg
Volume	1.98 m³



END VIEW



SIDE VIEW

** Carton dimensions and weights ± 5 % · Pallet plan assumes 145 mm block pallet, cartons laid flat, 15 mm overhang each end.*